

Name: \_\_\_\_\_

**p1105: Factoring when  $a = \text{prime}$  (v9)**

1. Factor the expression  $7x^2 - 15x - 18$

$$(7x + 6)(x - 3)$$

2. Factor the expression  $3x^2 + 11x + 10$

$$(3x + 5)(x + 2)$$

3. Factor the expression  $5x^2 - 28x + 15$

$$(5x - 3)(x - 5)$$

4. Factor the expression  $11x^2 - 76x - 7$

$$(11x + 1)(x - 7)$$

5. Factor the expression  $5x^2 + 23x - 42$

$$(5x - 7)(x + 6)$$

6. Factor the expression  $11x^2 + 106x + 63$

$$(11x + 7)(x + 9)$$

7. Factor the expression  $7x^2 - 72x + 81$

$$(7x - 9)(x - 9)$$

8. Factor the expression  $7x^2 + 16x + 9$

$$(7x + 9)(x + 1)$$

9. Factor the expression  $2x^2 + 5x - 12$

$$(2x - 3)(x + 4)$$

10. Factor the expression  $5x^2 - 33x - 14$

$$(5x + 2)(x - 7)$$